

Converting Colors

$Y_{xy}(12.9762, 0.5791, 0.3658)$

Have a look what the booklet for
Yxy(12.9762, 0.5791, 0.3658)
contains.

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Color

Yxy(12.9755, 0.5791, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	B43C11
RGB	180, 60, 17
RGB Percent	71%, 24%, 7%
CMY	0.2941, 0.7647, 0.9331
CMYK	0.00, 0.67, 0.91, 0.29
HSL	16°, 83%, 39%
HSV	16°, 91%, 71%
XYZ	20.5416, 12.9755, 1.9545
YIQ	90.9780, 85.3230, 12.0670

Conversions

Conversions Part 2

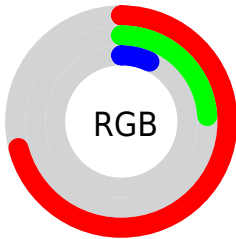
Format	Color
RYB	180, 75, 17
Decimal	11811857
CIELab	42.73, 46.93, 48.89
CIELCh	43, 67.763, 46.172
Yxy	12.9755, 0.5791, 0.3658
Android (android.graphics.Color)	4290001937 (0xFFB43C11)
YUV	90.9780, -36.4712, 78.0723
Hunter-Lab	36.0215, 38.7535, 21.9981

Details

The Yxy color **12.9755, 0.5791, 0.3658** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.3275, 0.2047, 0.2505**, and the grayscale version is **10.5278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2583, 0.5221, 0.3722**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7721, 0.6044, 0.3583**, and if you desaturate by 10%, it is **14.6245, 0.5459, 0.3708**.

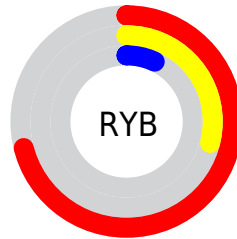
Distribution



Red (71%)

Green (24%)

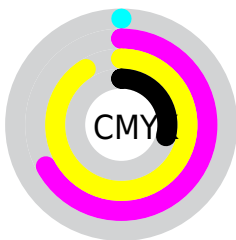
Blue (7%)



Red (71%)

Yellow (29%)

Blue (7%)

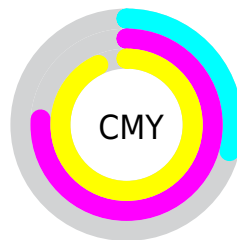


Cyan (0%)

Magenta (67%)

Yellow (91%)

Black (29%)



Cyan (29%)


Magenta (76%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9755, 0.5791, 0.3658 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.9755, 0.5791, 0.3658 by changing the saturation by 10% instead.


 12.9755, 0.5791,
0.3658


 12.9755, 0.5791,
0.3658

210.7606, 0.4269,
0.3634


 7.4117, 0.6190,
0.3557


 31.2598, 0.5217,
0.3722


 3.7209, 0.6665,
0.3335

 44.7490, 0.5004,
0.3720


 1.5187, 0.7137,
0.2863

 61.6488, 0.4827,
0.3710

 0.3018, 0.8397,
0.1603

 82.3436, 0.4678,
0.3696


 0.0000, 1.0000,
0.0000


 107.2178, 0.4552,
0.3681


 0.0000, 0.0000,
0.0000

 136.6558, 0.4444,

0.3665


 171.0419, 0.4350,
0.3649


 12.9755, 0.5791,
0.3658


 12.9755, 0.5791,
0.3658


 11.7721, 0.6044,
0.3583

 14.6245, 0.5459,
0.3708

 16.6994, 0.5083,
0.3717

 19.2301, 0.4700,
0.3690

 22.2428, 0.4341,
0.3638

 25.7617, 0.4019,
0.3572

■ 29.8093, 0.3739,
0.3501

■ 34.4065, 0.3502,
0.3429

■ 39.5733, 0.3303,
0.3359

■ 45.3285, 0.3135,
0.3293

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.9755, 0.5434, 0.2878



12.9755, 0.5791, 0.3658



12.9755, 0.5234, 0.4572

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.9755, 0.5791, 0.3658



12.9755, 0.1897, 0.4924



12.9755, 0.1683, 0.1427

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.9755, 0.5791, 0.3658



21.3275, 0.2047, 0.2505

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.9755, 0.1169, 0.1499



12.9755, 0.5791, 0.3658



12.9755, 0.1215, 0.3117

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.9755, 0.5791, 0.3658



12.9755, 0.2994, 0.5997



12.9755, 0.1015, 0.1975



12.9755, 0.2679, 0.1659

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.9755, 0.5791, 0.3658



12.9755, 0.4572, 0.5250



12.9755, 0.1015, 0.1975



12.9755, 0.1465, 0.1416

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.9763, 0.5791, 0.3658



56.4886, 0.3663, 0.3479



11.9792, 0.3869, 0.1955



11.6326, 0.3747, 0.3503



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9763, 0.5791, 0.3658



21.0194, 0.6072, 0.3561



28.2892, 0.4623, 0.4638



8.8574, 0.3281, 0.3351



8.3112, 0.6023, 0.3600



0.3589, 0.5471, 0.4038

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.3275, 0.2047, 0.2505



35.7797, 0.1999, 0.2397



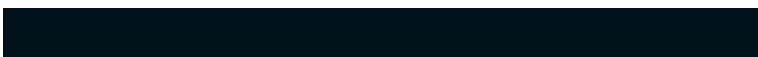
6.4210, 0.1654, 0.1065



9.2451, 0.2986, 0.3229



14.0401, 0.2007, 0.2425



0.5307, 0.2082, 0.2694

Previews

White Background



This preview shows how the Yxy color 12.9755, 0.5791, 0.3658 looks on a white background.

Color Contrast Check

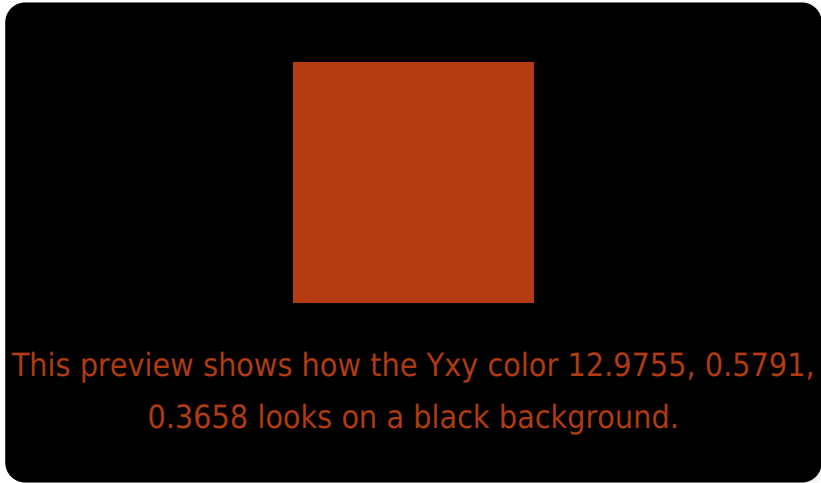
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9755, 0.5791, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 12.9755, 0.5791, 0.3658.



This preview shows how white text looks on a background with the Yxy color 12.9755, 0.5791, 0.3658.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.9755, 0.5791, 0.3658

Protanopia

13.1640, 0.4239, 0.4689

Deuteranopia

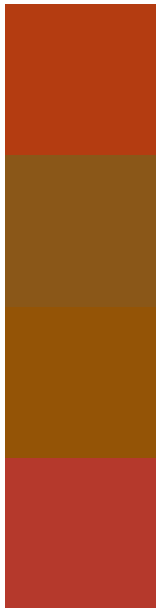
13.2165, 0.4694, 0.4655



Tritanopia

12.9679, 0.5349, 0.3263

Trichromacy



Original Color

12.9755, 0.5791, 0.3658

Protanomaly

12.2856, 0.4874, 0.4261

Deuteranomaly

12.6497, 0.5162, 0.4235

Tritanomaly

12.9319, 0.5566, 0.3432

Monochromacy



Original Color

12.9755, 0.5791, 0.3658

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3184, 0.4198, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9755, 0.5791, 0.3658 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 60, 17)` looks like.

```
.text, #text, p{  
    color:rgb(180, 60, 17)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 60, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 60, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.9755, 0.5791, 0.3658 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 60, 17) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 60, 17) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 60, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 60, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 60, 17);  
box-shadow:4px 4px 4px 4px rgb(180, 60,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9755, 0.5791, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 60, 17) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180, 60,  
17) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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